THE COMMONWEALTH OF MASSACHUSETTS

Public Employee Retirement Administration Commission John W. McCormack Building, Room 1101 One Ashburton Place, Boston, MA 02108 (617) 727-9380

MEMORANDUM

TO: Investment Managers

FROM: Robert F. Stalnaker, Executive Director

RE: Investment Manager, Consultant, and Custodian Listing

DATE: May 29, 1998

We are pleased to announce a listing of the investment managers, consultants, and custodians retained by each retirement system as of December 31, 1997.

This information is available on PERAC's Home Page under the Investment Unit Section of PERAC's Organizational Units.

Our Internet address is:

http://www.state.ma.us/perac/

The following is a list of each retirement system and the investment manager with the corresponding waiver approval dates, consultant, and custodian retained by each retirement system as of December 31, 1997.

WAIVER/PRIT DATE

ADAMS RETIREMENT SYSTEM Taylor Investments	5-25-89
Custodian: BankBoston	
AMESBURY RETIREMENT SYSTEM Bank of Ireland Group Trust SAF International Equity Sub Trust RhumbLine S&P 500 Index Fund State Street Daily Bond Market Fund Consultant: Advest Custom Consulting	9-8-93 2-12-97 2-12-97
ANDOVER RETIREMENT SYSTEM Harbor Capital Management	12-31-93
Custodian: State Street	
ARLINGTON RETIREMENT SYSTEM Fleet Investment Advisors State Street Bank and Trust State Street Global Advisors International Index Fund Flagship S&P 500 Index Fund	3-5-85 2-6-92 2-15-95 2-15-95
Consultant: Wilshire Associates Custodian: State Street	
ATHOL RETIREMENT SYSTEM Fleet Investment Advisors	6-25-85

Custodian:

Fleet Bank

ATTLEBORO RETIREMENT SYSTEM	
BayBanks Investment Management, Inc.	4-1-85
PaineWebber Equity II Fund	12-22-88
BayBank Small Cap Fund	5-4-95
World Asset Management S&P 500 Fund	12-21-95
Smith Barney Collective Trust Fund-International Equity Subfund	8-13-97
Consultant: Segal Advisors	
Custodian: BankBoston	
BARNSTABLE COUNTY RETIREMENT SYSTEM	7.07 .00
Allegis Realty Investors LLC	7-27-89
U.S. Trust Company	4-24-92
Putnam Advisory Company	9-30-93
Thompson, Siegel & Walmsley	9-30-93
Columbus Circle Investors	10-10-96
Bank of Ireland Asset Management	10-10-96
Consultant: William M. Mercer	
Custodian: State Street	
BELMONT RETIREMENT SYSTEM	
Pension Reserves Investment Trust (PRIT) Fund	5-24-89
Oppenheimer Capital	6-30-89
Putnam World Income Trust	11-19-92
Putnam International Trust	11-19-92
Tutiam memational Trust	11-17-72
Consultant: New England Pension Consultants	
Custodian: BankBoston	
Custouturi. BuikBoston	
BERKSHIRE COUNTY RETIREMENT SYSTEM	
Pension Reserves Investment Trust (PRIT) Fund	2-23-87
Freedom Capital Management Corporation	7-7-93
SSGA/Freedom Equity Style Fund	10-23-97

BEVERLY RETIREMENT SYSTEM Allegis Realty Investors LLC PanAgora TAA Equity Fund Income Research & Management Putnam World Income Trust Bank of Ireland Group Trust SAF International Equity Sub Trust Loomis Sayles & Company	8-31-89 6-24-92 1-21-93 7-21-94 7-21-94 3-28-96
Consultant: New England Pension Consultants Custodian: State Street	
BLUE HILLS REG. SCHOOL RETIREMENT SYSTEM David L. Babson	4-12-85
Custodian: BankBoston	
BOSTON RETIREMENT SYSTEM	
Wellington Management Company	2-21-85
Liberty Asset Management	11-14-86
PanAgora Asset Management	11-14-86
Oechsle International Advisors	6-30-87
LaSalle Advisors	8-11-87
INVESCO Realty Advisors	8-11-87
Frank Russell Trust Company	8-11-87
Public Storage Institutional Fund II	8-11-87
Copley Partners I & II	8-11-87
State Street Bank and Trust	12-12-88
Richmond Capital Management	9-7-89
Back Bay Advisors Matria Institutional Bookty Advisors	9-7-89 9-7-89
Metric Institutional Realty Advisors	9-7-89 11-17-89
Heitman Advisory Corporation MIG Realty Advisors	11-17-89
·	5-11-90
Shurgard Institutional Fund L.P. II	5-11-90

T. H. Lee Equity Partners, L.P.	5-11-90
BEA Associates, Inc.	4-25-91
Schroder Real Estate Value Enhancement Fund B L.P.	5-5-92
New England Growth Fund I, L.P.	7-16-92
RhumbLine Group Trust	5-25-93
Zevenbergen Capital	5-25-93
Chancellor Capital Management	1-27-94
Templeton Investment Counsel	11-17-94
Strategic Fixed Income, L.P.	8-10-95
Essex Investment Management Company	8-8-96
The Boston Company	8-8-96
INVESCO Realty Advisors	10-3-96
New England Growth Fund II	12-17-96
J&W Seligman & Company, Inc.	1-27-97
J.P. Morgan Investment Counsel	10-14-97
Thomas H. Lee Equity Advisors IV, LLC	12-16-97
Monitor Clipper Equity Partners, L.P.	12-30-97

Consultant: Callan Associates, Inc.

Custodian: State Street

BRAINTREE RETIREMENT SYSTEM

1838 Investment Advisors	9-9-86
The Boston Company International Equity Fund	12-28-95
Metric Apartment Co-Investment Trust Fund (MAC Trust)	12-28-95
Flagship S&P 500 Index Fund	2-9-96
The Boston Company Premier Value Equity Fund	9-12-97

Consultant: Advest Custom Consulting

Custodian: State Street

8-13-97 12-4-97

Palmer Organization III L.P.	5-20-87
Charles River Partnership VII	9-29-94
Metric Apartment Co-Investment Trust Fund (MAC Trust)	9-29-94
Freedom Capital Management Corporation	7-27-95
The Boston Company Small Cap Value Fund	9-19-96
Amerindo Investment Advisors, Inc.	9-26-96
New England Growth Fund II, L.P.	9-26-96
Freedom Capital Management Corporation	10-3-96
Income Research & Management	10-24-96
UNC Capital, L.P.	11-6-96
Warburg Pincus Counsellors, Inc.	11-6-96
State Street Bond Market Index Fund	12-2-96
Hancock ForesTree IV, L.P.	12-13-96
Irish Life International Equity Product	12-18-96
Charles River Partnership VIII	5-7-97

Consultant: Dahab Associates Custodian: BankBoston

SSR Apartment Value Fund, L.P. SSGA/Freedom Equity Style Fund

BROCKTON RETIREMENT SYSTEM

BRISTOL COUNTY RETIREMENT SYSTEM

Loomis Sayles & Company	6-7-89
Freedom Capital Management Corporation	6-7-89
L&B Real Estate Counsel IV	5-11-90
Bank of Ireland Group Trust SAF International Equity Sub Trust	6-15-90
Boston Capital Ventures II	11-26-91
Alliance Capital Management	3-24-93
Boston Capital Ventures III	12-15-94
Delaware International Global Fixed Income Portfolio	1-12-95
Pioneer Ventures, L.P. II	3-1-95
Metric Apartment Co-Investment Trust Fund (MAC Trust)	12-7-95
New England Growth Fund II	9-25-97
Phoenix Real Estate Advisors (RESA)	10-7-97
First America Asia Fund I LLC	10-14-97

Consultant: H.C. Wainwright Custodian: Mellon Trust

BROOKLINE RETIREMENT SYSTEM State Street Research & Management Company State Street Research & Management Company - International Pension Reserves Investment Trust (PRIT) Fund Loomis Sayles & Company Guinness Flight International Equity Group Trust	6-26-86 8-24-89 9-30-89 1-28-93 3-7-96
Consultant: Wyatt Investment Consulting, Inc.	
Custodian: State Street	
CAMBRIDGE RETIREMENT SYSTEM	
Freedom Capital Management Corporation	11-9-90
Allegis Congregate Care Fund	11-9-90
Wellington Management Company	11-9-90
State Street Research & Management Company	11-9-90
Bank of Ireland Group Trust SAF International Equity Sub Trust	11-9-90
Fleet Investment Advisors	7-16-93
Charles River Partnership VII	1-30-95 1-30-95
Pioneer Ventures, L.P. II Income Research & Management	6-21-95
Flagship S&P 500 Index Fund	0-21-93 3-7-96
State Street Russell 1000 Growth Fund	3-7-96
Putnam Core Growth Equity Management	10-3-96
Charles River Partnership VIII	6-10-97
Carey Institutional Properties Fund	8-13-97
Hancock ForesTree V Fund	9-3-97
Consultant: Segal Advisors Custodian: State Street	
CHELSEA RETIREMENT SYSTEM BayBanks Investment Management, Inc. EuroPacific Growth Fund BayBank Small Cap Fund Massachusetts Financial Services Bond Fund -A	8-24-89 7-21-94 4-13-95 2-8-96

CHICOPEE RETIREMENT SYSTEM Freedom Capital Management Corporation State Street Research & Management Company MassMutual Participation Investors Metric Institutional Apartment Fund II MetLife/State Street Research Small Cap Fund #96 MetLife/State Street Research Growth Equity #40 Scottish Equitable Invest. Mgmt. Ltd Pooled Trust-Int'l Equity Inv Fund Pension Reserves Investment Trust (PRIT) Fund	6-26-86 11-24-89 11-27-91 2-18-92 11-2-95 11-2-95 12-14-95 11-1-97
Custodian: BankBoston	
CLINTON RETIREMENT SYSTEM Pimco Low Duration Fund Pimco Total Return Fund Mutual Series Beacon Fund 20th Century Ultra Fund Templeton Foreign Fund Cash Management Trust Washington Mutual Investors Fund Cohen & Steers Realty Shares, Inc. Consultant: Trust Advisory Group Custodian: BankBoston	7-7-94 7-7-94 7-21-94 7-21-94 10-19-95 10-19-95 4-23-97
CONCORD RETIREMENT SYSTEM Fleet Investment Advisors Frank Russell Equity I Fund Pension Reserves Investment Trust (PRIT) Fund Frank Russell Tactical Asset Fund Galaxy Fund Frank Russell Equity II Fund Frank Russell International Fund	5-21-86 5-21-86 6-1-90 11-22-95 12-28-95 1-25-96

Custodian: Fleet Bank

DANVERS RETIREMENT SYSTEM Boston Financial Management, Inc.	4-3-85
Custodian: State Street	
DEDHAM RETIREMENT SYSTEM Pension Reserves Investment Trust (PRIT) Fund	6-30-88
DUKES COUNTY RETIREMENT SYSTEM BayBanks Investment Management, Inc. Pension Reserves Investment Trust (PRIT) Fund Consultant: Dahab Associates Custodian: BankBoston	5-12-92 1-4-96
EASTHAMPTON RETIREMENT SYSTEM Wright Investors' Service	10-13-93
Custodian: Investors Bank & Trust/Greenfield Savings Bank	
ESSEX COUNTY RETIREMENT SYSTEM Freedom Capital Management Corporation State Street Research & Management Company Bank of Ireland Group Trust SAF International Equity Sub Trust David L. Babson L&B 90's Investment Program MetLife Tower Fund Castlerock Capital Management Hutchens Investment Management Sector Plus Group Trust Alliance Capital Management Health Sector Fund Miller/Howard Investments Utility Sector Fund Dreman Value Advisors Finance Sector Fund Barrow, Hanley, Mewhinney & Strauss Consumer Non-Durables Sector Fund	5-6-85 1-4-90 2-10-94 3-10-94 10-19-95 10-19-95 4-23-97 5-7-97 9-12-97 9-12-97 9-12-97 9-12-97

ESSEX COUNTY RETIREMENT SYSTEM (continued) RCM Capital Management Technology Sector Fund NewSouth Capital Management Transportation Sector Fund NewSouth Capital Management Consumer Durables Sector Fund The Mitchell Group Energy Sector Fund Ashland Management Materials and Services Sector Fund Hallmark Capital Management Capital Goods Sector Fund SSGA/Freedom Equity Style Fund	9-12-97 9-12-97 9-12-97 9-12-97 9-12-97 9-25-97 11-13-97
Consultant: Segal Advisors Custodian: BankBoston	
EVERETT RETIREMENT SYSTEM BayBanks Investment Management, Inc. New England Growth Fund I, L.P. BayBank Small Cap Fund New England Growth Fund II, L.P. Custodian: BankBoston	2-15-85 6-30-93 4-26-95 11-9-95
FAIRHAVEN RETIREMENT SYSTEM Pension Reserves Investment Trust (PRIT) Fund	7-1-86
FALL RIVER RETIREMENT SYSTEM Freedom Capital Management Corporation State Street Daily Active Developed Markets Fund State Street Matrix Small Cap Fund State Street Daily Bond Market Fund SSGA/Freedom Equity Style Fund	4-26-95 8-22-96 8-28-97 8-28-97 11-13-97

FALMOUTH RETII Cutler & Company LI Freedom Capital Man	LC .	8-29-97 10-16-97
Consultant: Advest Custodian: State S	Custom Consulting treet	
FITCHBURG RETI Safety Fund National		4-19-85
_	Advisors Fund National Bank	
Pension Reserves Investate Street Growth E MetLife Broad Marke GFM International Inv MetLife/State Street F	1 2	11-28-86 10-17-90 10-17-90 10-9-91 12-28-95 12-28-95
FRANKLIN COUNT Freedom Capital Man Metropolitan Life Man		3-31-88 4-24-92
Custodian: State S	treet	
GARDNER RETIRE Pension Reserves Inve	EMENT SYSTEM estment Trust (PRIT) Fund	12-1-86

GLOUCESTER RETIREMENT SYSTEM Freedom Capital Management Corporation Miller Anderson & Sherrerd INVESCO Trust International Equity Fund MAS Fixed Income Portfolio MAS Large Cap Value Product	4-19-85 7-27-95 1-11-96 9-25-97 9-25-97
Consultant: New England Pension Consultants Custodian: BankBoston	
GREATER LAWRENCE SAN. DIST. RETIREMENT SYSTEM Beacon Fiduciary Advisors, Inc.	5-23-90
Custodian: Brown Brothers Harriman	
GREENFIELD RETIREMENT SYSTEM Pension Reserves Investment Trust (PRIT) Fund PaineWebber Equity III Fund Harbor Capital Management Babson-Stewart Ivory International Fund L.P. III David L. Babson & Company Consultant: Advest Custom Consulting Custodian: State Street	2-25-87 4-17-89 3-14-91 9-30-93 7-16-97
HAMPDEN COUNTY RETIREMENT SYSTEM Freedom Capital Management Corporation Wellington Management Strategic Total Return Collective Inv. Fund Brandes International Equity Trust Dreyfus Core Small Cap Fund Fidelity Real Estate High Income Fund II Fidelity Real Estate Asset Management II, L.P. Sirach Capital Management SSGA/Freedom Equity Style Fund Consultant: Segal Advisors Custodian: BankBoston	10-13-88 5-8-91 8-8-96 9-12-96 10-29-96 10-29-96 4-30-97 11-13-97

HAMPSHIRE COUNTY RETIREMENT SYSTEM	
Bank of Ireland Group Trust SAF International Equity Sub Trust	

Bank of Ireland Group Trust SAF International Equity Sub Trust	12-12-90
L&B Real Estate Counsel Fund IV	1-29-91
Shurgard Institutional Fund L.P. II	1-29-92
RhumbLine Group Trust	2-25-92
Sentinel Realty Partners II	6-3-93
Freedom Capital Management Corporation	12-22-94
Van Kampen Merritt Management, Inc.	12-22-94
John Hancock Special Equity Fund	8-8-96

Consultant: Dahab Associates

Custodian: State Street

HAVERHILL RETIREMENT SYSTEM

L&B Real Estate Counsel Fund III	10-27-88
New England Growth Fund I, L.P.	1-21-92
Babson-Stewart Ivory International Fund L.P. III	1-21-92
Commonwealth BioVentures Fund IV	1-21-92
L&B Real Estate Counsel Fund IV	1-21-92
Metric Apartment Co-Investment Trust Fund (MAC Trust)	7-29-93
Bank of Ireland Group Trust SAF International Equity Sub Trust	8-5-93
North Bridge Venture Partners	3-24-94
RII Timberland III L.L.C.	6-21-95
Hutchens Investment Management	8-3-95
Alliance Capital Management	10-5-95
American Express Asset Management	12-21-95
Hambro Northern Ireland Venture Partners	12-28-95
Standard Asset Group	12-28-95
Cutler & Company, Inc.	1-25-96
Montgomery Institutional Series: Emerging Markets Portfolio	3-7-96
Redwood Capital Partners, II	7-25-96
RII Weyerhaeuser World Timberfund L.P.	10-17-96
SSR Apartment Value Fund, L.P.	8-13-97

Consultant: H.C. Wainwright Custodian: BankBoston

HINGHAM RETIREMENT SYSTEM Pension Reserves Investment Trust (PRIT)	Fund	7-1-90
Tension Reserves investment Trust (FRIT)	Tund	7-1-90
HOLYOKE RETIREMENT SYSTEM Freedom Capital Management Corporation Dreyfus Small Cap Fund Fidelity Real Estate Asset Management II, Fidelity Real Estate High Income Fund II SSGA/Freedom Equity Style Fund IRT International Equity Fund		12-6-85 8-29-96 10-24-96 10-24-96 12-12-97 12-31-97
Consultant: Segal Advisors Custodian: BankBoston		
HULL RETIREMENT SYSTEM Strategic Active Management Bond Fund Strategic Active Management Stock Fund Matrix Equity Commingled Fund Freedom Capital Management Corporation State Street Global Advisors Balanced Gro Custodian: State Street		12-28-95 12-28-95 12-28-95 2-8-96 4-30-97
LAWRENCE RETIREMENT SYSTEM National Investment Services of America Consultant: New England Pension Cons		1-24-86
Custodian: BankBoston LEOMINSTER RETIREMENT SYSTE	EM	
Safety Fund National Bank Templeton Foreign Equity Series Fund		4-1-85 11-13-97
Consultant: Advest Custom Consulting Custodian: Safety Fund National Bank		

Wellington Management Company	1-25-89
Fidelity Capital Appreciation Fund	3-31-94
Fidelity Contra Fund	3-31-94
Fidelity Magellen Fund	3-31-94
Fidelity Value Fund	3-31-94
Fidelity Fund	3-31-94
Fidelity Mid-Cap Portfolio	9-19-96
Fidelity Growth & Income Fund	9-19-96
Fidelity Equity Income Fund	9-19-96

Custodian: BankBoston

LOWELL RETIREMENT SYSTEM Fleet Investment Advisers

Fleet Investment Advisers	9-14-89
Metric Institutional Apartment Fund I	2-8-90
Charles River Partnership VI-A	5-2-91
Heitman Real Estate Fund V	1-14-92
L&B Real Estate Counsel Fund IV	1-14-92
New England Growth Fund I, L.P.	2-19-92
Bank of Ireland Group Trust SAF International Equity Sub Trust	8-5-93
Harbor Capital Management	2-3-94
Metric Apartment Co-Investment Trust Fund (MAC Trust)	2-3-94
Federated Short Term Income Fund	12-15-94
Charles River Partnership VII	12-15-94
Brandywine Group Trust Fund	5-4-95
Freedom Capital Management Corporation	7-27-95
Pioneer Ventures, L.P. II	11-9-95
QCI Asset Management	11-9-95
North Atlantic Venture Fund II	12-7-95
Cutler & Company LLC	8-15-96
Charles River Partnership VIII	5-7-97
New England Growth Fund II	9-25-97
SSR Apartment Value Fund, L.P.	8-19-97

Consultant: Advest Custom Consulting

LYNN RETIREMENT SYSTEM	
de Burlo Group	
Palmer Organization III L.P.	
MetLife Tower Fund	6-21-95
J&W Seligman & Company, Inc.	6-21-95
Freedom Capital Management Corporation	6-21-95
Smith Barney International Equity Collective Trust	6-21-95
State Street Russell 1000 Growth Index Fund	10-8-97
Consultant: Segal Advisors Custodian: BankBoston	
Custoutan. Bank Boston	
MALDEN RETIREMENT SYSTEM	
de Burlo Group	3-27-85
Custodian: State Street	
MARBLEHEAD RETIREMENT SYSTEM	
Pension Reserves Investment Trust (PRIT) Fund	2-1-94
MARLBOROUGH RETIREMENT SYSTEM	c 22 00
Freedom Capital Management Corporation	6-23-88
Putnam International Trust Matrix A partment Co. Investment Trust Fund (MAC Trust)	1-27-94
Metric Apartment Co-Investment Trust Fund (MAC Trust)	1-12-95
L&B 90's Investment Program	4-19-95

MASS. HOUSING FINANCE AUTHORITY RETIREMENT SYSTEM	
Freedom Capital Management Corporation	3-30-93
Van Kampen Merritt Management, Inc.	3-30-93
Pioneer Ventures, L.P. II	3-14-96
Consultant: Dahab Associates	
Custodian: BankBoston	
MASS. PORT AUTHORITY RETIREMENT SYSTEM	
Wellington Management Company	2-7-85
Copley Partners I & II	10-22-86
Wellington Trust Company International Stock Portfolio	11-24-89
Wellington Mid Cap Portfolio	11-9-95
Wellington Small Cap Portfolio	11-9-95
Essex Investment Management Company	6-20-97
Trust Fund Investment Advisors	6-20-97
Templeton Investment Counsel, Inc.	11-13-97
Consultant: Advest Custom Consulting	
Custodian: State Street	
State Sizes:	
MASS THEN DIVE A LITTLE OF THE THEN THE SYSTEM	
MASS. TURNPIKE AUTHORITY RETIREMENT SYSTEM Pan A gore II.S. Equity Market Group Trust	4-4-94
PanAgora U.S. Equity Market Group Trust	4-4-94 4-4-94
PanAgora Bond Index Fund Wellington Management Company	4-4-94 4-4-94
Wellington Management Company Freedom Conital Management Company	4-4-94 2-6-95
Freedom Capital Management Corporation	2-0-95 11-2-95
Oppenheimer Capital Park of Iroland Crown Truct SAE International Equity Sub Truct	
Bank of Ireland Group Trust SAF International Equity Sub Trust	5-9-96 11-26-97
The Kenwood Group	11-20-97

Consultant: New England Pension Consultants
Custodian: State Street

MASS. WATER RESOURCE AUTHORITY RETIREMENT SYSTEM	
Pension Reserves Investment Trust (PRIT) Fund	2-1-88
Bank of Ireland Group Trust SAF International Equity Sub Trust	6-10-93
Putnam Core Growth Equity Fund	6-10-93
L&B 90's Investment Program	4-19-95
Metric Apartment Co-Investment Trust Fund (MAC Trust)	4-19-95
Equitable Real Estate Prime Property Fund	4-19-95
MIG Residential REIT Fund	5-26-95
INVESCO, Inc.	8-3-95
Ticonderoga Partners III	10-12-95
Pioneer Ventures, L.P. II	9-7-95
Brandywine International Value Equity Fund	9-7-95
Boston Capital Ventures III	9-7-95
Loomis Sayles & Company, L.P.	11-22-96
RhumbLine S&P 500 Index Fund	11-22-96
Boston Partners Asset Management, L.P.	11-22-96
Consultant: Advest Custom Consulting	
Custodian: BankBoston	
MAYNARD RETIREMENT SYSTEM	
BayBanks Investment Management, Inc.	12-4-91
BayBank Small Cap Fund	4-19-95
Custodian: BankBoston	
Custoatan: BankBoston	
MEDFORD RETIREMENT SYSTEM	
Fleet Investment Advisors	3-14-85
L&B Real Estate Fund IV	3-12-90
Connecticut Investment Management, Inc.	8-14-91
Loomis Sayles & Company	7-7-94
Glickenhaus & Company	7-7-94
Metric Apartment Co-Investment Trust Fund (MAC Trust)	1-12-95
RhumbLine Advisers	7-3-95
INVESCO Trust International Equity Fund	9-19-96
Consultant: Advest Custom Consulting	
Custodian: State Street	
Control State State Control	

MELROSE RETIREMENT SYSTEM Fleet Investment Advisors EuroPacific Growth Fund Fleet Small Cap Equity Fund	4-3-85 3-25-92 11-13-97
Custodian: Fleet Bank	
METHUEN RETIREMENT SYSTEM David L. Babson Brandes International Equity Trust Consultant: Segal Advisors	10-16-86 9-19-96
Custodian: Fleet Bank	
MIDDLESEX COUNTY RETIREMENT SYSTEM	
Fleet Investment Advisors	3-26-85
Oppenheimer Capital	8-25-87
Income Research & Management	9-28-89
L&B Real Estate Fund IV	2-1-90
Metric Institutional Apartment Fund I	2-1-90
MetLife Tower Fund	2-1-90
Bank of Ireland Group Trust SAF International Equity Sub Trust	1-10-91
Alliance Capital Management	1-10-91
Commonwealth BioVentures Fund III	3-27-91
Charles River Partnership VI-A	4-10-91
New England Growth Fund I, L.P.	2-18-92
Metric Institutional Apartment Fund II	2-18-92
Rice Mezzanine Lenders III, L.P.	2-18-92
Equitable Real Estate Value Enhancement Fund	12-10-92
Loomis Sayles & Company	12-10-92
Van Kampen Merritt Management, Inc.	12-10-92

MIDDLESEX COUNTY RETIREMENT SYSTEM (continued)	
Diversified Investment Advisors	3-3-93
Putnam International Trust	4-8-93
Merrill Lynch Preservation Trust Fund	4-8-93
Harbor Capital Management	7-16-93
J&W Seligman & Company, Inc.	12-2-93
Metric Apartment Co-Investment Trust Fund (MAC Trust)	12-9-93
Corcoran Jennison Apartment Fund	1-27-94
Weiss, Peck & Greer Corporate Development IV, L.P	3-10-94
Zero Stage Capital L.P. Fund V	6-30-94
Guinness Flight Global Group Trust	8-4-94
American Express Asset Management	8-11-94
Pioneer Ventures, L.P. II	10-13-94
Seix Investment Advisors	11-7-94
Bachow and Associates Fund III	12-15-94
Standard Asset Group	6-21-95
Freedom Capital Management Corporation	6-21-95
RII Timberland III L.L.C.	6-21-95
Cutler & Company, Inc.	7-26-95
Hambro Northern Ireland Venture Partners	11-30-95
AIB Irish Equity Portfolio	12-7-95
North Atlantic Venture Fund II	12-7-95
Phoenix Real Estate Advisors (RESA)	12-28-95
AFL-CIO Housing Investment Trust	5-2-96
Harbor Capital Management	8-15-96
New England Growth Fund II, L.P.	12-2-96
Irish Life International Equity Product	12-11-96
RII Weyerhaeuser World Timberfund, L.P.	12-11-96
Salus Market Neutral Conservative Investment Fund	2-5-97
Montgomery Institutional Series: Emerging Markets Fund	4-9-97
Sentinel Realty Partners III, L.P.	5-7-97
PRISM Venture Partners I, L.P.	5-7-97
Hambro European Ventures	6-20-97
ERE Value Enhancement Fund III	10-3-97
First America Asia Fund I, LLC	10-14-97
Boston Millennia Partners, L.P.	10-28-97

Consultant: H.C. Wainwright Custodian: Mellon Trust

MILFORD RETIREMENT SYSTEM BayBanks Investment Management, Inc. BayBank Small Cap Fund	
Consultant: Advest Custom Consulting Custodian: BankBoston	
MILTON RETIREMENT SYSTEM Pension Reserves Investment Trust (PRIT) Fund	7-1-86
MINUTEMAN REG. SCHOOL DIST. RETIREMENT SYSTEM Pension Reserves Investment Trust (PRIT) Fund	7-1-85
MONTAGUE RETIREMENT SYSTEM Pension Reserves Investment Trust (PRIT) Fund	7-1-86
NATICK RETIREMENT SYSTEM United Investment Counsel MetLife Bond Fund #135 Hotchkis and Wiley International Equity Group Trust John McStay Investment Counsel	3-14-85 2-15-95 5-31-96 7-16-97
Consultant: Advest Custom Consulting Custodian: BankBoston	
NEEDHAM RETIREMENT SYSTEM Pension Reserves Investment Trust (PRIT) Fund	7-1-85

NEW BEDFORD RETIREMENT SYSTEM Massachusetts Financial Services Aeltus Investment Management, Inc. Allegis Realty Investors LLC Aeltus - International Equity Pension Reserves Investment Trust (PRIT) Fund BayBanks Investment Management, Inc. Irish Life International Equity Product The Boston Company Pooled Employees International Equity Fund ARM Capital Advisors, Inc. Loomis Sayles Fixed Income Fund	6-15-89 6-15-89 6-15-89 6-15-89 4-1-92 10-1-92 4-16-97 4-23-97 4-30-97 5-28-97
Consultant: Wyatt Investment Consulting, Inc. Custodian: BankBoston	
NEWBURYPORT RETIREMENT SYSTEM Boston Financial Management, Inc. Custodian: State Street	3-28-85
NEWTON RETIREMENT SYSTEM 1838 Investment Advisors Freedom Capital Management Corporation David L. Babson Putnam International Trust Wellington Domestic Core Bond Portfolio Wellington U.S. High Yield Portfolio Wellington International Bond Pool Portfolio Mellon Russell 1000 Growth Index Fund IAI Growth Equity Collective Fund Putnam Mid-Cap Equity Portfolio Wellington Trust Company High Yield Bond Portfolio	3-19-87 3-19-87 1-21-92 5-27-93 3-8-95 3-8-95 3-7-96 5-30-96 5-30-96 6-20-97
Consultant: Segal Advisors Custodian: Mellon Trust	

NORFOLK COUNTY RETIREMENT SYSTEM	
Wellington Management Company	6-24-93
Loomis Sayles & Company	12-23-93
RhumbLine Advisers	7-7-94
Bank of Ireland Group Trust SAF International Equity Sub Trust	3-8-95
Guinness Flight Global Group Trust	3-8-95
New England Growth Fund II, L.P.	3-21-97
State Street Russell 1000 Value Fund	6-27-97
State Street Russell 1000 Growth Fund	6-27-97
State Street Russell 2000 Value Fund	6-27-97
State Street Russell 2000 Growth Fund	6-27-97
State Street S&P Midcap Fund	6-27-97
State Street International Index Fund	6-27-97
State Street Passive Emerging Markets Fund	6-27-97
State Street Government Corporate (GC) Bond Fund	6-27-97
State Street Intermediate Bond Fund	6-27-97
State Street International Fixed Income Fund	6-27-97
State Street REIT Fund	6-27-97
Halpern Denny Fund II, L.P.	10-30-97
Sentinel Realty Partners III, L.P.	12-4-97
First America Asia Fund I, LLC	12-4-97
Boston Millennia Partners, L.P.	12-12-97
ERE Value Enhancement Fund III	12-18-97
Phoenix Real Estate Advisors (RESA)	12-18-97

Consultant: H. C. Wainwright

Custodian: BankBoston

NORTH ADAMS RETIREMENT SYSTEM

de Burlo Group 3-25-85

Custodian: Fleet Bank

NORTH ATTLEBORO RETIREMENT SYSTEM	
PaineWebber Properties III	10-27-88
PaineWebber Properties II	6-22-89
PaineWebber Independent Living Mortgage Fund	7-13-89
Fleet Investment Advisors	12-26-90
RhumbLine Group Trust	10-1-92
Freedom Capital Management Corporation The Poster Company International Equity Fund	2-11-93 8-15-96
The Boston Company International Equity Fund	8-13-90
Consultant: Advest Custom Consulting	
Custodian: BankBoston	
NORTHAMPTON RETIREMENT SYSTEM	
de Burlo Group	4-18-85
Custodian: BankBoston	
Customent. Bulk Doston	
NORTHBRIDGE RETIREMENT SYSTEM	
NORTHBRIDGE RETIREMENT SYSTEM Pension Reserves Investment Trust (PRIT) Fund	1-1-88
	1-1-88
Pension Reserves Investment Trust (PRIT) Fund	1-1-88
Pension Reserves Investment Trust (PRIT) Fund NORWOOD RETIREMENT SYSTEM	
Pension Reserves Investment Trust (PRIT) Fund	1-1-88 11-2-89 1-7-92
Pension Reserves Investment Trust (PRIT) Fund NORWOOD RETIREMENT SYSTEM Dean Witter Realty Yield Plus	11-2-89
Pension Reserves Investment Trust (PRIT) Fund NORWOOD RETIREMENT SYSTEM Dean Witter Realty Yield Plus EuroPacific Growth Fund	11-2-89 1-7-92
Pension Reserves Investment Trust (PRIT) Fund NORWOOD RETIREMENT SYSTEM Dean Witter Realty Yield Plus EuroPacific Growth Fund David L. Babson	11-2-89 1-7-92 10-27-94
NORWOOD RETIREMENT SYSTEM Dean Witter Realty Yield Plus EuroPacific Growth Fund David L. Babson Boston Company Legg Mason Capital Management	11-2-89 1-7-92 10-27-94 10-27-94
Pension Reserves Investment Trust (PRIT) Fund NORWOOD RETIREMENT SYSTEM Dean Witter Realty Yield Plus EuroPacific Growth Fund David L. Babson Boston Company Legg Mason Capital Management Consultant: William M. Mercer	11-2-89 1-7-92 10-27-94 10-27-94
NORWOOD RETIREMENT SYSTEM Dean Witter Realty Yield Plus EuroPacific Growth Fund David L. Babson Boston Company Legg Mason Capital Management	11-2-89 1-7-92 10-27-94 10-27-94
Pension Reserves Investment Trust (PRIT) Fund NORWOOD RETIREMENT SYSTEM Dean Witter Realty Yield Plus EuroPacific Growth Fund David L. Babson Boston Company Legg Mason Capital Management Consultant: William M. Mercer	11-2-89 1-7-92 10-27-94 10-27-94
Pension Reserves Investment Trust (PRIT) Fund NORWOOD RETIREMENT SYSTEM Dean Witter Realty Yield Plus EuroPacific Growth Fund David L. Babson Boston Company Legg Mason Capital Management Consultant: William M. Mercer	11-2-89 1-7-92 10-27-94 10-27-94
NORWOOD RETIREMENT SYSTEM Dean Witter Realty Yield Plus EuroPacific Growth Fund David L. Babson Boston Company Legg Mason Capital Management Consultant: William M. Mercer Custodian: BankBoston	11-2-89 1-7-92 10-27-94 10-27-94
NORWOOD RETIREMENT SYSTEM Dean Witter Realty Yield Plus EuroPacific Growth Fund David L. Babson Boston Company Legg Mason Capital Management Consultant: William M. Mercer Custodian: BankBoston	11-2-89 1-7-92 10-27-94 10-27-94 11-17-94

PITTSFIELD RETIREMENT SYSTEM Freedom Capital Management Corporation Babson-Stewart Ivory International Fund L.P. III Wright Investors' Service Irish Life Investment Managers International Equity Fund SSGA/Freedom Equity Style Fund	6-15-89 1-31-96 2-29-96 6-20-97 11-13-97
Custodian: BankBoston	
PLYMOUTH RETIREMENT SYSTEM Morgan Grenfell Investment Trust Templeton Institutional Fund, Foreign Equity Series	7-7-94 7-7-94
Loomis Sayles & Company Eaton Vance Management INVESCO Capital Management, Inc.	12-22-94 6-21-95 4-4-96
Consultant: New England Pension Consultants Custodian: State Street	
PLYMOUTH COUNTY RETIREMENT SYSTEM	
Internal - John McLellan	5-14-85
L&B Real Estate Counsel III	5-4-89
Babson-Stewart Ivory International Fund L.P. III Shurgard Institutional Fund L.P. I	5-4-89 5-4-89
Metric Institutional Apartment Fund I	10-5-89
Charles River Partnership VI-A	3-26-91
New England Growth Fund I, L.P.	7-1-92
Metric Apartment Co-Investment Trust Fund (MAC Trust)	1-27-94
Charles River Partnership VII	10-27-94
Bank of Ireland Asset Management Kaystona Investment Management Corporation	3-1-95 3-15-95
Keystone Investment Management Corporation Van Kampen American Capital Management	3-13-95 3-15-95
Fleet Investment Advisors	3-22-95

PLYMOUTH	I COUNTY RETIREMENT SYSTEM (continued)	
	ternational Stock Fund	3-30-95
Brandywine II	nternational Value Equity Portfolio	6-14-95
New England	Growth Fund II, L.P.	11-9-95
Metric Institut	ional Apartment Fund II	12-11-96
Charles River	Partnership VIII	5-9-97
SSR Apartmen	nt Value Fund, L.P.	8-22-97
Putnam Invest		9-12-97
Brinson Partne		9-12-97
Cutler & Com		9-12-97
	estment Advisors	10-3-97
RhumbLine R	ussell 200 Index Fund	10-3-97
Consultant:	Advoct Custom Consulting	
Custodian:	Advest Custom Consulting State Street	
Cusioaian.	State Street	
QUINCY RE	TIREMENT SYSTEM	
Massachusetts	Financial Services	2-9-89
Pension Reser	ves Investment Trust (PRIT) Fund	3-1-90
RhumbLine S	outh Africa Free Group Trust	3-13-92
Freedom Capital Management Corporation		11-17-94
Aeltus Investment Management - DAM Account		5-4-95
RhumbLine Extended Market Fund		11-6-96
State Street Daily Government Corporate Fund		11-22-96
INVESCO Gl	obal International Equity Fund	12-18-97
C	West Land Consulting Inc	
Consultant: Custodian:	Wyatt Investment Consulting, Inc. State Street	
Cusioaian:	State Street	
READING R	ETIREMENT SYSTEM	
	ves Investment Trust (PRIT) Fund	6-1-88
Telision Reser	ves investment trust (1 Ki1) 1 and	0 1 00
REVERE RE	TIREMENT SYSTEM	
	ves Investment Trust (PRIT) Fund	10-3-94
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SALEM RETIREMENT SYSTEM Freedom Capital Management Corporation PaineWebber Properties III 1838 Investment Advisors Bank of Ireland Group Trust SAF International Equity Sub Trust Income Research & Management Wellington Mid Cap Portfolio	11-17-88 11-17-88 4-12-90 8-4-94 9-25-97 9-25-97
Custodian: BankBoston	
SAUGUS RETIREMENT SYSTEM	
Pension Reserves Investment Trust (PRIT) Fund	7-1-86
SHREWSBURY RETIREMENT SYSTEM	
Income Research & Management	7-29-93
Putnam Core Growth Equity/Derivatives Free Trust	7-29-93
Putnam International Trust	1-27-94
Julius Baer Government Bond International Portfolio	12-22-94
Consultant: Dahab Associates	
Custodian: BankBoston	
SOMERVILLE RETIREMENT SYSTEM	
BayBanks Investment Management, Inc.	2-19-92
Standish, Ayer & Wood	4-15-92
Loomis Sayles & Company	3-25-93
Lazard Freres International Equity Fund	6-30-94
Standish, Ayer & Wood Fixed Income Fund	8-17-95
Loomis Sayles Investment Trust	3-28-96
SSR Apartment Value Fund, L.P.	8-18-97
Allegis Real Estate Separate Account (RESA)	9-25-97

SOUTHBRIDGE RETIREMENT SYSTEM Freedom Capital Management Corporation INVESCO Trust International Equity Fund SSGA/Freedom Equity Style Fund	11-9-89 4-13-95 12-12-97
Consultant: Segal Advisors Custodian: State Street	
SPRINGFIELD RETIREMENT SYSTEM BayBanks Investment Management, Inc. Freedom Capital Management Corporation MassMutual Life Insurance Company Wellington Management Company Wellington Mid Cap Portfolio Bank of Ireland Group Trust SAF International Equity Sub Trust	1-2-92 1-2-92 1-2-92 1-2-92 12-31-96 12-31-96
Consultant: Advest Custom Consulting Custodian: State Street	
STATE EMPLOYEES' RETIREMENT SYSTEM Pension Reserves Investment Trust (PRIT) Fund	1-1-97
STATE TEACHERS' RETIREMENT SYSTEM Pension Reserves Investment Trust (PRIT) Fund	1-1-97
STONEHAM RETIREMENT SYSTEM L&B Real Estate Property Fund III L&B Real Estate Property Fund IV Bank of Ireland Group Turst SAF International Equity Sub Trust Income Research & Management The Boston Company Active Equity Pooled Fund	11-17-88 1-15-91 3-24-94 6-23-95 7-16-97

Consultant: Advest Custom Consulting Custodian: BankBoston

SWAMPSCOTT RETIREMENT SYSTEM Freedom Capital Management Corporation Montgomery Asset Management State Street Daily Active Developed Markets Fund	11-30-95 10-3-96 10-24-96
Custodian: Fleet Bank	
TAUNTON RETIREMENT SYSTEM U.S. Trust Company L&B Real Estate Fund IV EuroPacific Growth Fund ITC Equity Real Estate Securities Fund Fidelity Real Estate Asset Management II, L.P. Fidelity Real Estate High Income Fund II Allmerica Select International Equity Fund Fleet Investment Advisors Consultant: Segal Advisors Custodian: U.S. Trust	6-25-85 12-21-89 5-16-90 5-30-96 5-30-96 10-24-96 6-20-97 7-2-97
WAKEFIELD RETIREMENT SYSTEM Pension Reserves Investment Trust (PRIT) Fund	7-1-85
WALTHAM RETIREMENT SYSTEM BayBanks Investment Management, Inc. BayBank Small Cap Fund	2-11-85 4-13-95
Consultant: Legg Mason Consulting Group Custodian: BankBoston	

WATERTOWN RETIREMENT SYSTEM	
L&B Real Estate Property Fund III	10-5-89
INVESCO, Inc.	10-5-89
Wellington CIF Small Cap 2000	3-20-91
BayBanks Investment Management, Inc.	3-8-95
Putnam International Trust	3-8-95
Lowe Enterprises Strategic Opportunity Fund	6-20-97
Sentinel Realty Partners III, L.P.	6-20-97
Boston Partners Asset Management, L.P.	6-20-97
Consultant: Dahab Associates Custodian: BankBoston	
WEBSTER RETIREMENT SYSTEM	
Loomis Sayles & Company	2-24-94
Custodian: BankBoston	
WELLESLEY RETIREMENT SYSTEM	
Standish, Ayer & Wood	2-27-85
Standish Small Equity Fund	11-17-88
State Street Research & Management Company	1-23-90
Standish STAR Fund	1-2-91
Standish International Fixed Income Fund	5-8-91
Standish International Equity Fund	11-17-94
Scudder Investor Services	11-17-94

Consultant: William M. Mercer

Custodian: Fleet Bank

WESTFIELD RETIREMENT SYSTEM PaineWebber Properties III PaineWebber Properties II Freedom Capital Management Corporation State Street Research & Management Company Loomis Sayles & Company	11-17-88 9-14-89 10-16-90 10-16-90 1-21-93
Custodian: BankBoston	
WEST SPRINGFIELD RETIREMENT SYSTEM Fleet Investment Advisors	2-21-86
Custodian: Fleet Bank	
WEYMOUTH RETIREMENT SYSTEM Pension Reserves Investment Trust (PRIT) Fund	10-1-84
WINCHESTER RETIREMENT SYSTEM	
Freedom Capital Management Corporation	4-26-90
J.L. Kaplan Associates	10-28-93
Sogen Overseas Fund	2-8-95
Rowe Price Fleming Foreign Equity Fund	2-8-95 6-21-95
Warburg Pincus International Equity Fund Custodian: BankBoston	0-21-93
WINTHROP RETIREMENT SYSTEM	
Bear Stearns Asset Management	7-29-93
J&W Seligman & Company, Inc.	7-7-97

David L. Babson Pension Reserves Investment Trust (PRIT) Fund 11-1-95 Freedom Capital Management Corporation 10-24-96 Custodian: BankBoston WORCESTER RETIREMENT SYSTEM Fleet Investment Advisors State Street Research & Management Company Metlife Real Estate Series II 3-6-91 Bank of Ireland Group Trust SAF International Equity Sub Trust New England Growth Fund I, L.P. Fleet Investment Advisors Fleet Investment Advisors Sick Mezzanine Lenders III, L.P. Ja-11-92 Fleet Investment Advisor Fleet Investment Investment Investment International Fleet Investment Investment Fleet International Fleet Internation	WOBURN RETIREMENT SYSTEM	
Freedom Capital Management Corporation Custodian: BankBoston WORCESTER RETIREMENT SYSTEM Fleet Investment Advisors 1-14-87 State Street Research & Management Company 3-6-91 Metlife Real Estate Series II 3-6-91 Bank of Ireland Group Trust SAF International Equity Sub Trust 8-15-91 New England Growth Fund I, L.P. 3-11-92 Fleet Investment Advisors 3-11-92 Rice Mezzanine Lenders III, L.P. 3-11-92 Rice Mezzanine Lenders III, L.P. 3-11-92 Merrill Lynch Asset Management 2-12-93 MIG Residential REIT 7-29-93 Equitable Value Enhancement Fund 7-29-93 Metric Apartment Co-Investment Trust Fund (MAC Trust) 7-29-93 L&B Property Fund IV 8-19-93 Pioneer Ventures, L.P. II 10-13-94 Boston Capital Ventures III 11-7-94 Ticonderoga Partners III 12-22-94 Hitchens Investment Management 10-19-95 Loomis Sayles & Company 11-30-95 L&B 90's Investment Program 12-28-95	David L. Babson	3-21-88
WORCESTER RETIREMENT SYSTEM Fleet Investment Advisors 1-14-87 State Street Research & Management Company 3-6-91 Metlife Real Estate Series II 3-6-91 Bank of Ireland Group Trust SAF International Equity Sub Trust 8-15-91 New England Growth Fund I, L.P. 3-11-92 Fleet Investment Advisors 3-11-92 Rice Mezzanine Lenders III, L.P. 3-11-92 David L. Babson 7-30-92 Merrill Lynch Asset Management 2-12-93 MIG Residential REIT 7-29-93 Equitable Value Enhancement Fund 7-29-93 Metric Apartment Co-Investment Trust Fund (MAC Trust) 7-29-93 L&B Property Fund IV 8-19-93 Pioneer Ventures, L.P. II 10-13-94 Boston Capital Ventures III 11-7-94 Ticonderoga Partners III 12-22-94 Equitable Value Enhancement Fund II LLC 9-21-95 Hutchens Investment Management 10-19-95 Loomis Sayles & Company 11-30-95 L&B 90's Investment Program 12-28-95	Pension Reserves Investment Trust (PRIT) Fund	11-1-95
WORCESTER RETIREMENT SYSTEM Fleet Investment Advisors State Street Research & Management Company Metlife Real Estate Series II 3-6-91 Bank of Ireland Group Trust SAF International Equity Sub Trust New England Growth Fund I, L.P. 3-11-92 Fleet Investment Advisors 3-11-92 Rice Mezzanine Lenders III, L.P. 3-11-92 David L. Babson 7-30-92 Merrill Lynch Asset Management 2-12-93 MIG Residential REIT 7-29-93 Equitable Value Enhancement Fund Metric Apartment Co-Investment Trust Fund (MAC Trust) T-29-93 L&B Property Fund IV Boston Capital Ventures III 11-7-94 Ticonderoga Partners III 12-22-94 Equitable Value Enhancement Fund II LLC Hutchens Investment Management 10-19-95 Loomis Sayles & Company 11-30-95 L&B 90's Investment Program	Freedom Capital Management Corporation	10-24-96
WORCESTER RETIREMENT SYSTEM Fleet Investment Advisors State Street Research & Management Company Metlife Real Estate Series II 3-6-91 Bank of Ireland Group Trust SAF International Equity Sub Trust New England Growth Fund I, L.P. 3-11-92 Fleet Investment Advisors 3-11-92 Rice Mezzanine Lenders III, L.P. 3-11-92 David L. Babson 7-30-92 Merrill Lynch Asset Management 2-12-93 MIG Residential REIT 7-29-93 Equitable Value Enhancement Fund Metric Apartment Co-Investment Trust Fund (MAC Trust) T-29-93 L&B Property Fund IV Boston Capital Ventures III 11-7-94 Ticonderoga Partners III 12-22-94 Equitable Value Enhancement Fund II LLC Hutchens Investment Management 10-19-95 Loomis Sayles & Company 11-30-95 L&B 90's Investment Program		
Fleet Investment Advisors1-14-87State Street Research & Management Company3-6-91Metlife Real Estate Series II3-6-91Bank of Ireland Group Trust SAF International Equity Sub Trust8-15-91New England Growth Fund I, L.P.3-11-92Fleet Investment Advisors3-11-92Rice Mezzanine Lenders III, L.P.3-11-92David L. Babson7-30-92Merrill Lynch Asset Management2-12-93MIG Residential REIT7-29-93Equitable Value Enhancement Fund7-29-93Metric Apartment Co-Investment Trust Fund (MAC Trust)7-29-93L&B Property Fund IV8-19-93Pioneer Ventures, L.P. II10-13-94Boston Capital Ventures III11-7-94Ticonderoga Partners III12-22-94Equitable Value Enhancement Fund II LLC9-21-95Hutchens Investment Management10-19-95Loomis Sayles & Company11-30-95L&B 90's Investment Program12-28-95	Custodian: BankBoston	
Fleet Investment Advisors1-14-87State Street Research & Management Company3-6-91Metlife Real Estate Series II3-6-91Bank of Ireland Group Trust SAF International Equity Sub Trust8-15-91New England Growth Fund I, L.P.3-11-92Fleet Investment Advisors3-11-92Rice Mezzanine Lenders III, L.P.3-11-92David L. Babson7-30-92Merrill Lynch Asset Management2-12-93MIG Residential REIT7-29-93Equitable Value Enhancement Fund7-29-93Metric Apartment Co-Investment Trust Fund (MAC Trust)7-29-93L&B Property Fund IV8-19-93Pioneer Ventures, L.P. II10-13-94Boston Capital Ventures III11-7-94Ticonderoga Partners III12-22-94Equitable Value Enhancement Fund II LLC9-21-95Hutchens Investment Management10-19-95Loomis Sayles & Company11-30-95L&B 90's Investment Program12-28-95		
State Street Research & Management Company Metlife Real Estate Series II Bank of Ireland Group Trust SAF International Equity Sub Trust New England Growth Fund I, L.P. Fleet Investment Advisors Rice Mezzanine Lenders III, L.P. 3-11-92 Rice Mezzanine Lenders III, L.P. 3-11-92 David L. Babson 7-30-92 Merrill Lynch Asset Management 2-12-93 MIG Residential REIT 7-29-93 Equitable Value Enhancement Fund 7-29-93 Metric Apartment Co-Investment Trust Fund (MAC Trust) L&B Property Fund IV 8-19-93 Pioneer Ventures, L.P. II 10-13-94 Boston Capital Ventures III 11-7-94 Ticonderoga Partners III 11-7-94 Equitable Value Enhancement Fund II LLC 9-21-95 Hutchens Investment Management 10-19-95 Loomis Sayles & Company 11-30-95 L&B 90's Investment Program		
Metlife Real Estate Series II3-6-91Bank of Ireland Group Trust SAF International Equity Sub Trust8-15-91New England Growth Fund I, L.P.3-11-92Fleet Investment Advisors3-11-92Rice Mezzanine Lenders III, L.P.3-11-92David L. Babson7-30-92Merrill Lynch Asset Management2-12-93MIG Residential REIT7-29-93Equitable Value Enhancement Fund7-29-93Metric Apartment Co-Investment Trust Fund (MAC Trust)7-29-93L&B Property Fund IV8-19-93Pioneer Ventures, L.P. II10-13-94Boston Capital Ventures III11-7-94Ticonderoga Partners III12-22-94Equitable Value Enhancement Fund II LLC9-21-95Hutchens Investment Management10-19-95Loomis Sayles & Company11-30-95L&B 90's Investment Program12-28-95	Fleet Investment Advisors	1-14-87
Bank of Ireland Group Trust SAF International Equity Sub Trust8-15-91New England Growth Fund I, L.P.3-11-92Fleet Investment Advisors3-11-92Rice Mezzanine Lenders III, L.P.3-11-92David L. Babson7-30-92Merrill Lynch Asset Management2-12-93MIG Residential REIT7-29-93Equitable Value Enhancement Fund7-29-93Metric Apartment Co-Investment Trust Fund (MAC Trust)7-29-93L&B Property Fund IV8-19-93Pioneer Ventures, L.P. II10-13-94Boston Capital Ventures III11-7-94Ticonderoga Partners III12-22-94Equitable Value Enhancement Fund II LLC9-21-95Hutchens Investment Management10-19-95Loomis Sayles & Company11-30-95L&B 90's Investment Program12-28-95	State Street Research & Management Company	
New England Growth Fund I, L.P.3-11-92Fleet Investment Advisors3-11-92Rice Mezzanine Lenders III, L.P.3-11-92David L. Babson7-30-92Merrill Lynch Asset Management2-12-93MIG Residential REIT7-29-93Equitable Value Enhancement Fund7-29-93Metric Apartment Co-Investment Trust Fund (MAC Trust)7-29-93L&B Property Fund IV8-19-93Pioneer Ventures, L.P. II10-13-94Boston Capital Ventures III11-7-94Ticonderoga Partners III12-22-94Equitable Value Enhancement Fund II LLC9-21-95Hutchens Investment Management10-19-95Loomis Sayles & Company11-30-95L&B 90's Investment Program12-28-95	Metlife Real Estate Series II	3-6-91
Fleet Investment Advisors Rice Mezzanine Lenders III, L.P. 3-11-92 David L. Babson 7-30-92 Merrill Lynch Asset Management 2-12-93 MIG Residential REIT 7-29-93 Equitable Value Enhancement Fund 7-29-93 Metric Apartment Co-Investment Trust Fund (MAC Trust) L&B Property Fund IV 8-19-93 Pioneer Ventures, L.P. II Boston Capital Ventures III 11-7-94 Ticonderoga Partners III 12-22-94 Equitable Value Enhancement Fund II LLC 9-21-95 Hutchens Investment Management 10-19-95 Loomis Sayles & Company 11-30-95 L&B 90's Investment Program	Bank of Ireland Group Trust SAF International Equity Sub Trust	
Rice Mezzanine Lenders III, L.P. David L. Babson 7-30-92 Merrill Lynch Asset Management 2-12-93 MIG Residential REIT 7-29-93 Equitable Value Enhancement Fund 7-29-93 Metric Apartment Co-Investment Trust Fund (MAC Trust) L&B Property Fund IV 8-19-93 Pioneer Ventures, L.P. II 10-13-94 Boston Capital Ventures III 11-7-94 Ticonderoga Partners III 12-22-94 Equitable Value Enhancement Fund II LLC 9-21-95 Hutchens Investment Management 10-19-95 Loomis Sayles & Company 11-30-95 L&B 90's Investment Program 12-28-95	•	3-11-92
David L. Babson7-30-92Merrill Lynch Asset Management2-12-93MIG Residential REIT7-29-93Equitable Value Enhancement Fund7-29-93Metric Apartment Co-Investment Trust Fund (MAC Trust)7-29-93L&B Property Fund IV8-19-93Pioneer Ventures, L.P. II10-13-94Boston Capital Ventures III11-7-94Ticonderoga Partners III12-22-94Equitable Value Enhancement Fund II LLC9-21-95Hutchens Investment Management10-19-95Loomis Sayles & Company11-30-95L&B 90's Investment Program12-28-95	Fleet Investment Advisors	3-11-92
Merrill Lynch Asset Management2-12-93MIG Residential REIT7-29-93Equitable Value Enhancement Fund7-29-93Metric Apartment Co-Investment Trust Fund (MAC Trust)7-29-93L&B Property Fund IV8-19-93Pioneer Ventures, L.P. II10-13-94Boston Capital Ventures III11-7-94Ticonderoga Partners III12-22-94Equitable Value Enhancement Fund II LLC9-21-95Hutchens Investment Management10-19-95Loomis Sayles & Company11-30-95L&B 90's Investment Program12-28-95	Rice Mezzanine Lenders III, L.P.	3-11-92
MIG Residential REIT Equitable Value Enhancement Fund Metric Apartment Co-Investment Trust Fund (MAC Trust) L&B Property Fund IV Pioneer Ventures, L.P. II Boston Capital Ventures III Ticonderoga Partners III Equitable Value Enhancement Fund II LLC Hutchens Investment Management Loomis Sayles & Company L&B 90's Investment Program 7-29-93 7-29-93 10-13-94 10-13-94 11-30-95 11-30-95 12-28-95	David L. Babson	7-30-92
Equitable Value Enhancement Fund Metric Apartment Co-Investment Trust Fund (MAC Trust) L&B Property Fund IV 8-19-93 Pioneer Ventures, L.P. II 10-13-94 Boston Capital Ventures III 11-7-94 Ticonderoga Partners III 12-22-94 Equitable Value Enhancement Fund II LLC 9-21-95 Hutchens Investment Management 10-19-95 Loomis Sayles & Company 11-30-95 L&B 90's Investment Program	•	2-12-93
Metric Apartment Co-Investment Trust Fund (MAC Trust) L&B Property Fund IV Pioneer Ventures, L.P. II Boston Capital Ventures III Ticonderoga Partners III Equitable Value Enhancement Fund II LLC Hutchens Investment Management Loomis Sayles & Company L&B 90's Investment Program 7-29-93 8-19-93 10-13-94 11-30-95 12-28-95	MIG Residential REIT	7-29-93
L&B Property Fund IV8-19-93Pioneer Ventures, L.P. II10-13-94Boston Capital Ventures III11-7-94Ticonderoga Partners III12-22-94Equitable Value Enhancement Fund II LLC9-21-95Hutchens Investment Management10-19-95Loomis Sayles & Company11-30-95L&B 90's Investment Program12-28-95	Equitable Value Enhancement Fund	7-29-93
Pioneer Ventures, L.P. II Boston Capital Ventures III Ticonderoga Partners III Equitable Value Enhancement Fund II LLC Hutchens Investment Management Loomis Sayles & Company L&B 90's Investment Program 10-13-94 11-7-94 12-22-94 10-19-95 10-19-95 10-19-95 11-30-95	Metric Apartment Co-Investment Trust Fund (MAC Trust)	7-29-93
Boston Capital Ventures III Ticonderoga Partners III Equitable Value Enhancement Fund II LLC Hutchens Investment Management Loomis Sayles & Company L&B 90's Investment Program 11-7-94 12-22-94 12-22-94 10-19-95 11-30-95 12-28-95	L&B Property Fund IV	8-19-93
Ticonderoga Partners III12-22-94Equitable Value Enhancement Fund II LLC9-21-95Hutchens Investment Management10-19-95Loomis Sayles & Company11-30-95L&B 90's Investment Program12-28-95	Pioneer Ventures, L.P. II	10-13-94
Equitable Value Enhancement Fund II LLC9-21-95Hutchens Investment Management10-19-95Loomis Sayles & Company11-30-95L&B 90's Investment Program12-28-95	Boston Capital Ventures III	11-7-94
Hutchens Investment Management 10-19-95 Loomis Sayles & Company 11-30-95 L&B 90's Investment Program 12-28-95	Ticonderoga Partners III	12-22-94
Loomis Sayles & Company11-30-95L&B 90's Investment Program12-28-95	Equitable Value Enhancement Fund II LLC	9-21-95
L&B 90's Investment Program 12-28-95	Hutchens Investment Management	10-19-95
ϵ	Loomis Sayles & Company	11-30-95
Seligman Henderson Group Trust - International Equity 7-25-96	L&B 90's Investment Program	12-28-95
	Seligman Henderson Group Trust - International Equity	7-25-96

WORCESTER RETIREMENT SYSTEM (continued	l)
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The Boston Company Emerging Markets Pooled Fund	7-25-96
New England Growth Fund II	12-17-96
Loomis Sayles & Company, L.P.	8-13-97
Hambro European Ventures Fund III	8-29-97
State Street Research Opportunistic High Yield Group Trust	10-30-97
State Street Research Opportunistic Non-Dollar Group Trust	10-30-97
Allmerica Asset Management	11-13-97

Consultant: Dahab Associates
Custodian: BankBoston

WORCESTER COUNTY RETIREMENT SYSTEM

Wellington Management Company	8-21-91
Harbor Capital Management	9-8-93
David L. Babson	9-8-93
Bank of Ireland Group Trust SAF International Equity Sub Trust	9-8-93
Freedom Capital Management Corporation	9-15-93
Pioneer Ventures, L.P. II	9-29-94
TA Realty Associates Fund III	9-29-94
Allmerica Asset Management	9-29-94
Loomis Sayles & Company	10-6-94
Wellington Mgmt. U.S. High Yield Port./International Bond Pool Port.	4-26-95
Zero Stage Capital L.P. Fund V	7-19-95
Keystone Institutional Small Cap Growth Fund	8-15-96
TA Realty Associates Fund IV, L.P.	5-6-97

Consultant: Segal Advisors Custodian: BankBoston